ELSEVIER

Journal of Hydrology 245 (2001) 239

Journal of Hydrology

www.elsevier.com/locate/jhydrol

Contents of Volume 245

Vol. 245 Nos. 1–4 **May 1, 2001**

Research Papers

Lake evaporation estimates in tropical Africa (Lake Ziway, Ethiopia)
C. Vallet-Coulomb, D. Legesse, F. Gasse, Y. Travi and T. Chernet 1

Reaction of subsurface coastal aquifers to climate and land use changes in Greece: modelling of groundwater refreshening patterns under natural recharge conditions
N. Lambrakis and G. Kallergis 19

Hydrological data monitoring for urban stormwater drainage systems
U.K. Maheepala, A.K. Takyi and B.J.C. Perera 32

Soil water content measurements at different scales: accuracy of time domain reflectometry and ground-penetrating radar
J.A. Huisman, C. Sperl, W. Bouten and J.M. Verstraten 48

Combined palaeoflood and rainfall–runoff assessment of mountain floods (Spanish Pyrenees)
M. Rico, G. Benito and A. Barnolas 59

Surfactant effects on unsaturated flow in porous media with hysteresis: horizontal column experiments and numerical modeling
E.J. Henry, J.E. Smith and A.W. Warrick 73

Stream flow and ground water recharge from small forested watersheds in north central Minnesota
D.S. Nichols and E.S. Verry 89

Spatiotemporal variations in hydrological regimes within Central Africa during the XXth century
A. Laraque, G. Mahé, D. Orange and B. Marieu 104

The seasonal water and energy exchange above and within a boreal aspen forest
P.D. Blanken, T.A. Black, H.H. Neumann, G. den Hartog, P.C. Yang, Z. Nesic and X. Lee 118

Case study on impact of atmospheric circulation changes on river basin hydrology: uncertainty aspects
V. Kaleris, D. Papanastasopoulos and G. Lagas 137

A counterpropagation fuzzy-neural network modeling approach to real time streamflow prediction
F.-J. Chang and Y.-C. Chen 153

Effect of canopy removal on snowpack quantity and quality, Fraser experimental forest, Colorado
R. Stottlemyer and C.A. Troendle 165

Processes regulating watershed chemical export during snowmelt, Fraser Experimental Forest, Colorado
R. Stottlemyer 177

A non-linear combination of the forecasts of rainfall-runoff models by the first-order Takagi–Sugeno fuzzy system
L. Xiong, A.Y. Shamseldin and K.M. O'Connor 196

Further evidence of changes in the hydrological regime of the River Paraguay: part of a wider phenomenon of climate change?
W. Collischonn, C.E.M. Tucci and R.T. Clarke 218